

# Work Order ID 77953

Thursday, December 22, 2011 3:24:34 PM

**\*77953\***

Page 1

Item ID: D4387-041 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Harness Assembly  
 Start Date: 12/22/2011 Start Qty: 27.00 **\*27\*** Cust Item ID:  
 Required Date: 1/16/2012 Req'd Qty: 27.00 **\*27\*** Customer:  
 Reference:

Approvals: Process Plan: MF Date: 11-12-22 Tooling: Date: Run Start **\*NR1\***  
 QC: Date: SPC (Y/N): Date: Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
<b>Draw Nbr</b>	<b>Revision Nbr</b>								
D4387	B								
100	PURCHASING	0.00							
<b>*100*</b>									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>15744</u>								
	P/N: 4192-1-011-2396								
	Possible supplier: Amsafe								
	Certificate of conformaty is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
<b>*110*</b>									
Packaging	Memo	0.00							
Packaging	Ensure certificate of conformity is attached								
120	QC5- Inspect part completeness to step on W/O	0.00							
<b>*120*</b>									
QC	Memo	0.00							
Quality Control									

11-12-23

12/21/23 (27)

51210124

counted  
(27)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 77953****\*77953\***

Page 2

Thursday, December 22, 2011 3:24:34 PM

Item ID: D4387-041 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Harness Assembly  
Start Date: 12/22/2011 Start Qty: 27.00 **\*27\*** Cust Item ID:  
Required Date: 1/16/2012 Req'd Qty: 27.00 **\*27\*** Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	Identify as per dwg & Stock Location: <b>ST 26</b>	0.00							
<b>*150*</b>									
Packaging	Memo	0.00							
Packaging									
160	QC21- Final Inspection - Work Order Release	0.00							
<b>*160*</b>									
QC	Memo	0.00							
Quality Control									

**27** SP 12-01

12/1/25 **27**

12-01-24 **27**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Thursday, December 22, 2011 3:24:34 PM

Page 1

Work Order ID: 77953

Parent Item: D4387-041

Parent Item Name: Harness Assembly

Start Date: 12/22/2011

Required Date: 1/16/2012

Start Qty: 27.00

Required Qty: 27.00

Comments: IPP rev A 11.05.25 new issue EC verified by: DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4192-1-011-2396 4-point Restraint, Separate Shoulder Straps		Purchased	No				Each	0.0000		27		1/4/2012	(27)

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

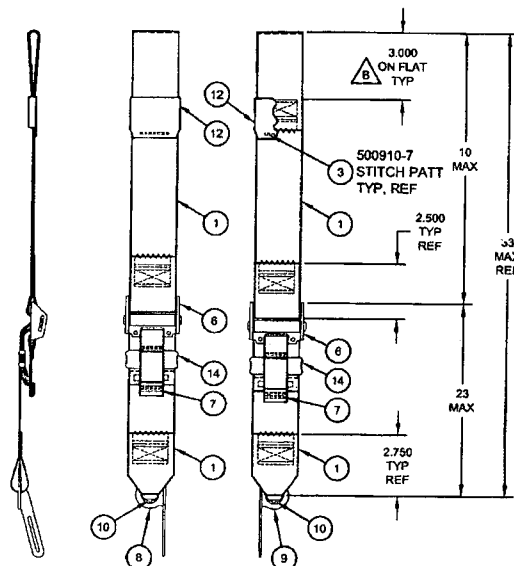
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

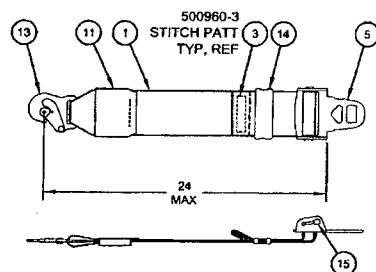
**NOTE:** Date & initial all entries

# SPECIFICATION CONTROL DRAWING

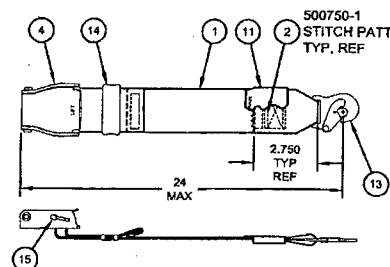


D4387-7

D4387-5



D4387-3



D4387-1

D4387-041 HARNESS ASSEMBLY

ITEM	QTY -041	QTY -1	QTY -3	QTY -5	QTY -7	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X					D4387-041	HARNESS ASSEMBLY	4192-1-011-2396
1	X					D4387-1	BUCKLE HALF	4192-2010112396
1		X				D4387-3	CONNECTOR HALF	4192-2030112396
1			X			D4387-5	SHOULDER STRAP	4192-2050112396
1				X		D4387-7	SHOULDER STRAP	4192-2060112396
1	A/R	A/R	A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2	A/R	A/R	A/R	A/R	A/R		THREAD	207
3	A/R	A/R	A/R	A/R	A/R		THREAD	69
4	1						BUCKLE ASSY	502750-401
5		1					CONNECTOR ASSY	504459-417-72
6			1	1			ADJUSTER ASSY	503050-409
7				1	1		PULL TAB	500976-425
8				1	1		ADAPTER, HARNESS	505122-2-72
9				1	1		ADAPTER, HARNESS	505122-1-72
10				1	1		INSERT	AFG0568283
11	1	1					LABEL	447664
12			1	1			LABEL	447664
13	1	1					HOOK ASSY	502737-441-72
14	1	1	1	1	1		WEB SLIDE	503964-1
16	2	2					PLUG	502913

## NOTES:

- 1) PURCHASE: D4387-041/-1/-3/-5/-7 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: .XXX ±0.250
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:  
MANUFACTURER P/N: 4192-1-011-2396  
CUSTOMER P/N: D4387-041  
DATE OF MFG  
CONFORMS TO FAATSO-C114
- 7) WEIGHT: 1.75 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

B	3.000 TYP WAS 2.000 TYP (ZN D6-1) (REF. NCR11-644)	MB	11.06.07
A	NEW ISSUE (REF. CAR10-011)	MB	11.05.02
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.06.07		

RELEASED  
2011-06-16

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA  
DRAWING NO. D4387  
TITLE HARNESS ASSEMBLY  
REV. B  
SHEET 1 OF 2  
SCALE NTS

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# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

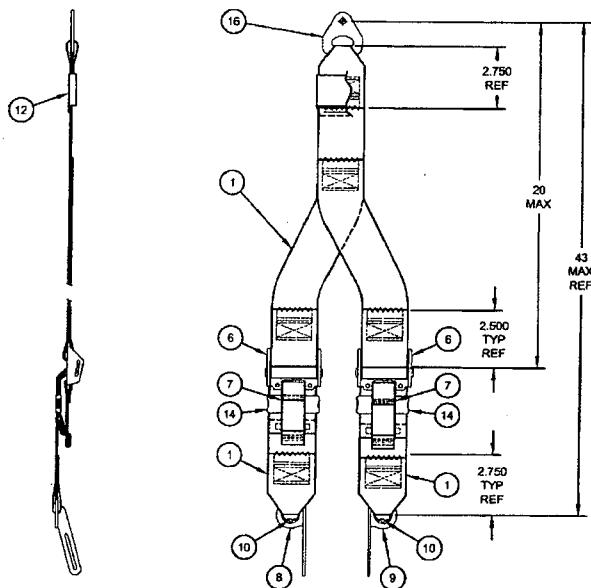
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

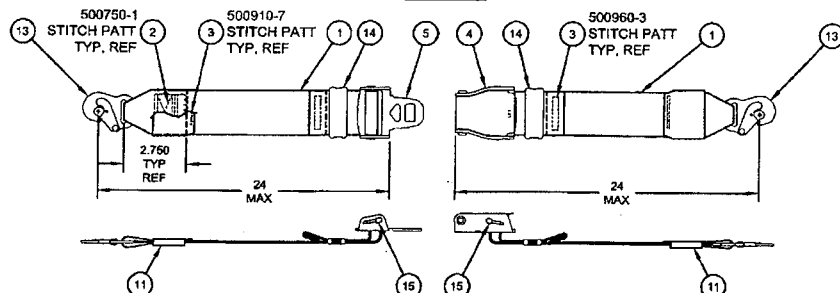
**NOTE:** Date & initial all entries



# SPECIFICATION CONTROL DRAWING



**D4387-9**



**D4387-13**

**D4387-11**

**D4387-043 HARNESS ASSEMBLY**

ITEM	QTY -043	QTY -9	QTY -11	QTY -13	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X				D4387-043	HARNESS ASSEMBLY	4173-2-021-2396
1		X			D4387-9	SHOULDER STRAP	4173-2110212396
2			X		D4387-11	BUCKLE HALF	4173-2070212396
3				X	D4387-13	CONNECTOR HALF	4173-2090212396
1		A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2		A/R	A/R	A/R		THREAD	207
3		A/R	A/R	A/R		THREAD	69
4			1			BUCKLE ASSY	502750-401
5				1		CONNECTOR ASSY	504459-417-72
6		2				ADJUSTER ASSY	503050-409
7		2				PULL TAB	500876-425
8		1				ADAPTER, HARNESS	505122-2-72
9		1				ADAPTER, HARNESS	505122-1-72
10		2				INSERT	AFG0568293
11			1	1		LABEL	447864
12		1				LABEL	447864
13		2	1	1		HOOK ASSY	502737-441-72
14			1	1		WEB SLIDE	503964-1
15			2	2		PLUG	502813
16		1				END FITTING	501743-21-72

## NOTES:

- 1) PURCHASE: D4387-043/-9/-11/-13 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: .XXX ±0.250
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLATIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:  
MANUFACTURER P/N: 4173-2-021-2396  
CUSTOMER P/N: D4387-043  
DATE OF MFG  
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.85 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

77953  
RELEASED  
2011-06-16

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		<b>HAWKESBURY, ONTARIO, CANADA</b>	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4387	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		HARNESS ASSEMBLY	NTS
DATE	11.06.07	COPYRIGHT © 2011 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO15744**

Purchase Order Date 12/23/2011

PO Print Date 1/3/2012

Page Number 1 of 1

Order From :

VU-AMS001

AMSAFE INC.  
LOCKBOX #5  
P.O BOX 53075  
PHOENIX, AZ 85072-3075  
US

Contact Name  
Vendor Phone 602 850 2850  
Vendor Fax 602 850 2812  
Vendor Account Nbr

Buyer Brigitte Golden  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency USD  
FOB Destination-Collect

*Revised*

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	4192-1-011-2396	4-point Restraint, Separate Shoulder Straps	1/27/2012 Yes	27.00 Each	FedEx PI collect	\$221.5400	\$5,981.58
		Special Inst:	As per DWG: D4387 Rev:B B77953 Amsafe P/N 4192-1-011-2396				
2	4173-2-021-2396	4-point Restraint, Separate Shoulder Straps	1/27/2012 Yes	8.00 Each	FedEx PI collect	\$221.5400	\$1,772.32
		Special Inst:	As per DWG: D4387 Rev: B B78160 AmSafe P/N 4173-2-021-2396				
PO Total:							\$7,753.90

Change Nbr: 3

Change Date: 1/3/2012

*WCL*  
No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

# AmSafe

1043 NORTH 47th AVENUE  
PHOENIX, AZ 85043  
PH (602)850-2850 FAX (602)850-2812

## SHIPPER/CERTIFICATION



<b>CUSTOMER NO.</b>
10006113

<b>SALES ORDER NO.</b>
S225072

<b>BOL NO.</b>
000255357

<b>DATE PRINTED</b>
01/20/12

<b>PAGE NO.</b>
1

DART AEROSPACE  
1270 ABERDEEN STREET  
HAWKESBURY  
ONTARIO, CANADA K6A 1K7  
Canada

DART AEROSPACE LTD.  
1270 ABERDEEN ST  
HAWKSBURY,, ON K6A 1K7  
Canada

Ship to ID: 10006125

<b>CUSTOMER ORDER NO.</b>
PO15724

<b>TERMS</b>
NET30

<b>FREIGHT</b>
COLLECT

<b>SHIP VIA</b>
FedEx P1 10:30 AM

<b>F.O.B.</b>
ORIGIN

Sales Order Remarks: 1517-9324-0  
Remarks:

SHIPMENT REFERENCE 000255357

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
2	4173-2-021-2396 REST SYS ASSY	DRAWING: 4173 REV: E CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S225072-2 8.0	2012-01-24	8 Expire Ref.	8 8	0
1	4192-1-011-2396 REST SYS ASSY	DRAWING: 4192 REV: D CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S225072-1 27.0	2012-01-24	27 Expire Ref.	27 27	0

812/10/24

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):

**FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853**

**FAA TSO C22f, C22g, C114 or TSO Plus**

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X Jesse Ochoa

Printed Name: Jesse Ochoa

Dated: JAN 20 2012

**COUNTRY OF ORIGIN USA**

1. Approving National Aviation Authority/Country:  FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</b>				3. Form Tracking Number:  5225072-1-NW	
4. Organization Name and Address:		AmSafe Aviation 1043 North 47th Avenue Phoenix, Arizona 85043				5. Work Order/Contract/Invoice Number: S225072 - 1 PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	REST SYS ASSY	4192-1-011-2396	N/A	27	AO112	NEW	
13. Remarks: Drawing: 4192 Rev: D TSO: TSO-C114							
EXPORT AIRWORTHINESS APPROVAL: THIS ARTICLE MEETS THE SPECIAL REQUIREMENTS OF CANADA							
14. Certifies the items identified above were manufactured in conformity to:  <input checked="checked" type="checkbox"/> Approved design data and are in a condition for safe operation  <input type="checkbox"/> Non-approved design data specified in Block 13.				<div style="border: 1px solid black; padding: 5px;">         19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13           Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.       </div>			
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature		21. Authorized/Certificate No.	
		ODA602112NM					
17. Name (typed or printed)		18. Date (m/d/y):		22. Names (typed or printed)		23. Date (m/d/y):	
Nancy Williamson		JAN/17/2012					
<b>User/Installer Responsibilities</b>							
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>							